

Appl. No. 10/064,296
Amdt. dated April 18, 2005
Reply to Office action of January 26, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-26 (cancelled).

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27 (new): A telephone system, comprising:

a telephone exchange comprising a first transceiver for sending and receiving wireless signals, the telephone exchange switching and transmitting signals for facilitating telephone calls; and

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a plurality of telephone extensions, each telephone extension comprising a second transceiver for wirelessly communicating with the telephone exchange and making telephone calls through the telephone exchange.

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28 (new): The telephone system of claim 27, wherein the telephone exchange further comprises an audio signal port for connecting the telephone exchange to an external telephone system.

29 (new): The telephone system of claim 28, wherein the telephone exchange further comprises:

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a first analog-to-digital converter for converting analog signals received from the external telephone system into digital signals for transmitting digital signals to the telephone extensions; and

a first digital-to-analog converter for converting digital signals received from the telephone extensions into analog signals to be sent through the external

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telephone system.

30 (new): The telephone system of claim 29, wherein each telephone extension

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comprises:

- a second analog-to-digital converter for converting analog signals received from a
microphone of the telephone extension into digital signals for transmitting
digital signals to the telephone exchange; and
- 5 a second digital-to-analog converter for converting digital signals received from the
telephone exchange into analog signals to be output through a speaker of the
telephone extension.
- 31 (new): The telephone system of claim 27, wherein the telephone exchange further
- 10 comprises a first network port for connecting the telephone exchange to an external
computer network system, each of the telephone extensions capable of connecting to
the external computer network system via the telephone exchange.
- 32 (new): The telephone system of claim 31, wherein each telephone extension further
- 15 comprises a second network port for connecting a computer to the telephone
extension, the computer capable of connecting to the external computer network
system via the telephone extension and the telephone exchange.
- 33 (new): The telephone system of claim 27, wherein communication between the
- 20 telephone extensions and the telephone exchange conforms to the IEEE 802.11
wireless communication standard.